

WEST Search History

DATE: Thursday, July 24, 2003

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side		result set	
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>			
L6	L5 and pullulan	23	L6
L5	L4 and hydrophobic	136	L5
L4	L3 and (pullulan or amylopectin or amylose or dextran or hydroxymethyl cellulose or hydroxyethyl dextran or mannan or levan or inulin or chitin or chitosan or xyloglucan)	554	L4
L3	L1 and polysaccharide	1097	L3
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
L2	L1 and polysaccharide	1097	L2
L1	((536/123.12 536/123.1 536/124 536/127 536/18.5 536/18.6)!.CCLS.)	2564	L1

END OF SEARCH HISTORY

(FILE 'HOME' ENTERED AT 14:56:01 ON 24 JUL 2003)

FILE 'CAPLUS, USPATFULL, EUROPATFULL' ENTERED AT 14:56:33 ON 24 JUL 2003

L1 36575 S POLYSACCHARIDE AND PURI?
L2 15357 S L1 AND (PULLULAN OR AMYLOPECTIN OR AMYLOSE OR DEXTRAN OR HYDR
L3 7384 S L2 AND HYDROPHOBIC
L4 641 S L3 AND ISOCYANATE
L5 160 S L4 AND DIISOCYANATE
L6 32 S L5 AND (STERYL OR CHOLESTEROL)
L7 6 S L6 AND ULTRASONIC

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L7 ANSWER 1 OF 6 USPATFULL on STN
 ACCESSION NUMBER: 2003:137160 USPATFULL
 TITLE: **High purity polysaccharide**
 containing a **hydrophobic** group and process
 for producing it
 INVENTOR(S): Sunamoto, Junzo, 1-30-1013, Shibukawa 1-Chome,
 Kusatsu-Shi, Shiga 525-0026, JAPAN
 Akiyoshi, Kazunari, Uji, JAPAN
 Hosotani, Ryuzo, Tsukuba, JAPAN
 Hayashi, Akio, Kashiwa, JAPAN
 Fukui, Hiroki, Tsukuba, JAPAN
 PATENT ASSIGNEE(S): NOF Corporation, Tokyo, JAPAN (non-U.S. corporation)
 Sunamoto, Junzo, Kusatsu, JAPAN (non-U.S. individual)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6566516	B1	20030520
	WO 2000012564		20000309
APPLICATION INFO.:	US 2000-530347		20000425 (9)
	WO 1999-JP1683		19990331
			20000425 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1998-244671	19980831
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Wilson, James O.	
ASSISTANT EXAMINER:	Lewis, Patrick	
LEGAL REPRESENTATIVE:	Flynn, Thiel, Boutell & Tanis, P.C.	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	8 Drawing Figure(s); 4 Drawing Page(s)	
LINE COUNT:	1315	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A high **purity polysaccharide** containing
hydrophobic group is produced by a process involving

a first process step of producing an **isocyanate**
 group-containing **hydrophobic** compound, wherein one mole of a
 hydroxyl group-containing hydrocarbon having 12-50 carbon atoms or of a
 sterol is reacted with a **diisocyanate** represented by
 OCN--R¹-NCO in which R¹ is a hydrocarbyl of 1-50 carbon
 atoms,

a second process step of producing the **polysaccharide**
 containing **hydrophobic** group composed of the hydrocarbon group
 of 12-50 carbon atoms or of the **steryl** group, wherein the
isocyanate group-containing **hydrophobic** compound
 obtained in the first process step is reacted with one or more
polysaccharides, and

a **purification** step in which the reaction product in the
 second process step is **purified** using a solvent based on a
 ketone.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 2 OF 6 USPATFULL on STN
 ACCESSION NUMBER: 2003:40403 USPATFULL
 TITLE: Polymer compositions comprising antifibrotic agents,
 and methods of treatment, pharmaceutical compositions,
 and methods of preparation therefor
 INVENTOR(S): Kohn, Joachim, Highland Park, NJ, United States

PATENT ASSIGNEE(S):

Kemnitzer, III, John E., Plainsboro, NJ, United States
 Poiani, George J., Jamesburg, NJ, United States
 Riley, David J., New Brunswick, NJ, United States
 University of Medicine & Dentistry of New Jersey, New
 Brunswick, NJ, United States (U.S. corporation)
 Rutgers University, New Brunswick, NJ, United States
 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6517824	B1	20030211
APPLICATION INFO.:	US 1996-650324		19960520 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1995-479150, filed on 7 Jun 1995, now patented, Pat. No. US 5660822 Division of Ser. No. US 1994-260080, filed on 15 Jun 1994, now patented, Pat. No. US 5720950 Division of Ser. No. US 1992-934818, filed on 24 Aug 1992, now patented, Pat. No. US 5372807 Continuation of Ser. No. US 1990-523232, filed on 17 May 1990, now abandoned Continuation of Ser. No. US 1991-726301, filed on 5 Jul 1991, now patented, Pat. No. US 5219564 Continuation of Ser. No. US 1990-549494, filed on 6 Jul 1990, now abandoned		

DOCUMENT TYPE:

Utility

FILE SEGMENT:

GRANTED

PRIMARY EXAMINER:

Page, Thurman K.

ASSISTANT EXAMINER:

Ware, T.

LEGAL REPRESENTATIVE:

Perkins Coie

NUMBER OF CLAIMS:

5

EXEMPLARY CLAIM:

1

NUMBER OF DRAWINGS:

24 Drawing Figure(s); 17 Drawing Page(s)

LINE COUNT:

2299

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for treating pulmonary hypertension and other diseases involving a defect in collagen metabolism, by administration of an effective amount of a liposome encapsulated copolymer conjugate antifibrotic composition, is disclosed. The antifibrotic agent is preferably a proline analog, such as cis-4-hydroxy-L-proline (cHyp). Consistent, high loadings (>98%) of the antifibrotic agent are achieved by first forming a dipeptide with L-lysine, after which the dipeptide is copolymerized with the polymer component to form the copolymer conjugate. The polymer is preferably poly(ethylene glycol) having a weight average molecular weight of from about 500 to about 15,000. There is thus provided the efficient delivery and rateable release of the antifibrotic agent to inhibit collagen accumulation and thereby treat the diseases involved. Accordingly, there is a substantial reduction in the quantity of antifibrotic agent necessary, and thus a corresponding reduction in the potential for toxicity that would otherwise result from its prolonged administration.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 3 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2002:300748 USPATFULL

TITLE: Agent for health inspection and health inspection apparatus using the same

INVENTOR(S): Kinoshita, Takatoshi, Aichi, JAPAN

Washizu, Shintaro, Shizuoka, JAPAN

PATENT ASSIGNEE(S): FUJI PHOTO FILM CO., LTD. (non-U.S. corporation)

	NUMBER	KIND	DATE
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PATENT INFORMATION:	US 2002168291	A1	20021114
APPLICATION INFO.:	US 2002-103833	A1	20020325 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 2001-86316	20010323
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SUGHRUE MION, PLLC, 2100 Pennsylvania Avenue, NW, Washington, DC, 20037-3213	
NUMBER OF CLAIMS:	23	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	8 Drawing Page(s)	
LINE COUNT:	1299	
AB	The agent for health inspection of the present invention is used as additive to a specimen solution and comprises a rod-shaped body and a capturing structured element bonded to the rod-shaped body which specifically captures a disease marker in the specimen solution.	

L7 ANSWER 4 OF 6 USPATFULL on STN

ACCESSION NUMBER:	2002:259584 USPATFULL
TITLE:	High purity polysaccharide containing hydrophobic group and process for producing it
INVENTOR(S):	Sunamoto, Junzo, Kusatsu-Shi, JAPAN Akiyoshi, Kazunari, Uji-Shi, JAPAN Hosotani, Ryuzo, Tsukuba-Shi, JAPAN Hayashi, Akio, Chiba, JAPAN Fukui, Hiroki, Tsukuba-Shi, JAPAN
PATENT ASSIGNEE(S):	NOF CORPORATION (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002143160	A1	20021003
APPLICATION INFO.:	US 2002-91992	A1	20020306 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-530347, filed on 25 Apr 2000, PENDING A 371 of International Ser. No. WO 1999-JP1683, filed on 31 Mar 1999, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1998-244671	19980831
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Flynn, Thiel, Boutell & Tanis, P.C., 2026 Rambling Road, Kalamazoo, MI, 49008-1699	
NUMBER OF CLAIMS:	25	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	4 Drawing Page(s)	
LINE COUNT:	1417	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB 1. A high **purity polysaccharide** containing **hydrophobic** group is produced by a process, comprising

a first process step of producing an **isocyanate** group-containing **hydrophobic** compound, wherein one mole of a hydroxyl group-containing hydrocarbon having 12-50 carbon atoms or of a sterol is reacted with a **diisocyanate** represented by OCN--R.¹--NCO in which R.¹ is a hydrocarbyl of 1-50 carbon atoms,

a second process step of producing the **polysaccharide** containing **hydrophobic** group composed of the hydrocarbon group of 12-50 carbon atoms or of the **steryl** group, wherein the **isocyanate** group-containing **hydrophobic** compound

obtained in the first process step is reacted with one or more **polysaccharides**, and

a **purification** step in which the reaction product in the second process step is **purified** using a solvent based on ketone.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 5 OF 6 EUROPATFULL COPYRIGHT 2003 WILA on STN

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

ACCESSION NUMBER: 1113023 EUROPATFULL EW 200127 FS OS
TITLE: METHOD OF FORMING AGGLOMERATES OF **POLYSACCHARIDE**
WITH **HYDROPHOBIC** GROUPS.
VERFAHREN ZUR HERSTELLUNG VON AGGLOMERATEN AUS
POLYSACCHARIDEN MIT HYDROPHOBEN GRUPPEN.
PROCEDE DE FORMATION D'AGGLOMERATS DE
POLYSACCHARIDE AVEC DES GROUPES HYDROPHOBES.
INVENTOR(S): HOSOTANI, Ryuzo, 24-5, Umezono 2-chome, Tsukuba-shi
Ibaraki 305-0045, JP;
HAYASHI, Akio, 421-3, Nedo Kashiwa-shi, Chiba 277-0831,
JP;
NAKANO, Yoshio, 15-5, Umezono 2-chome, Tsukuba-shi
Ibaraki 305-0045, JP
PATENT ASSIGNEE(S): NOF CORPORATION, 20-3, Ebisu 4-chome, Shibuya-ku, Tokyo
150-6019, JP
PATENT ASSIGNEE NO: 1558205
AGENT: Bannerman, David Gardner et al., Withers & Rogers,
Goldings House, 2 Hays Lane, London SE1 2HW, GB
28001
AGENT NUMBER:
OTHER SOURCE: BEPA2001052 EP 1113023 A1 0021
SOURCE: Wila-EPZ-2001-H27-T1a
DOCUMENT TYPE: Patent
LANGUAGE: Anmeldung in Japanisch; Veroeffentlichung in Englisch;
Verfahren in Englisch
DESIGNATED STATES: R BE; R CH; R DE; R FR; R GB; R IT; R LI; R NL
PATENT INFO.PUB.TYPE: EPA1 EUROPÄISCHE PATENTANMELDUNG (Internationale
Anmeldung)
PATENT INFORMATION:

	PATENT NO	KIND DATE
'OFFENLEGUNGS' DATE:	EP 1113023	A1 20010704
APPLICATION INFO.:	EP 1999-912076	20010704
RELATED DOC. INFO.:	WO 99-JP1684	19990331
	WO 0059948	990331 INTAKZ
		001012 INTPNR

L7 ANSWER 6 OF 6 EUROPATFULL COPYRIGHT 2003 WILA on STN

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

ACCESSION NUMBER: 1026174 EUROPATFULL EW 200032 FS OS
TITLE: **HIGH-PURITY POLYSACCHARIDE**
CONTAINING **HYDROPHOBIC** GROUPS AND PROCESS FOR
PRODUCING THE SAME.
HYDROPHOBIERTE UND SEHR REINE **POLYSACCHARIDE**
UND VERFAHREN ZU DEREN HERSTELLUNG.
POLYSACCHARIDE A HAUT DEGRE DE PURETE
CONTENANT DES GROUPES HYDROPHOBES ET PROCEDE DE
PRODUCTION DE CE **POLYSACCHARIDE**.
INVENTOR(S): SUNAMOTO, Junzo, 1-30-1013, Shibukawa 1-chome,
Kusatsu-shi, Shiga 525-0026, JP;

AKIYOSHI, Kazunari, 25-2, Ogura-cho, Horike, Uji-shi,
Kyoto 611-0042, JP;
HOSOTANI, Ryuzo, 24-5, Umezono 2-chome, Tsukuba-shi,
Ibaraki 305-0045, JP;
HAYASHI, Akio, 421-3, Nedo, Kashiwa-shi, Chiba 277-0831,
JP;
FUKUI, Hiroki, 24-5, Umezono 2-chome, Tsukuba-shi,
Ibaraki 305-0045, JP
NOF CORPORATION, 20-3, Ebisu 4-chome, Shibuya-ku, Tokyo
150-6019, JP;
Sunamoto, Junzo, 1-30-1013, Shibukawa 1-chome,
Kusatsu-shi, Shiga 525-0026, JP
1558205; 2970110
PATENT ASSIGNEE NO:
AGENT:
AGENT NUMBER:
OTHER SOURCE:
SOURCE:
DOCUMENT TYPE:
LANGUAGE:
DESIGNATED STATES:
PATENT INFO.PUB.TYPE:
PATENT INFORMATION:

	PATENT NO	KIND DATE
'OFFENLEGUNGS' DATE:	EP 1026174	A1 20000809 20000809
APPLICATION INFO.:	EP 1999-912075	19990331
PRIORITY APPLN. INFO.:	JP 1998-244671	19980831
RELATED DOC. INFO.:	WO 99-JP1683	990331 INTAKZ
	WO 0012564	000309 INTPNR

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